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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/756,624	01/14/2004	Akira Ohta	402946	2510		
23548	7590 06/09/2005		EXAM	EXAMINER		
	OIT & MAYER, LTD ENTH ST. NW	TAKAOKA	TAKAOKA, DEAN O			
SUITE 300	AVIII 51. IVV	ART UNIT	PAPER NUMBER			
WASHINGTON, DC 20005-3960			2817	2817		
			DATE MAILED: 06/09/2003	DATE MAILED: 06/09/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Applicat	tion No	Applicant(s)				
Office Action Summary		624	OHTA ET AL.				
		er	Art Unit	 			
		Takaoka	2817				
The MAILING DATE of this comm				•			
Period for Reply	••		,				
A SHORTENED STATUTORY PERIOD THE MAILING DATE OF THIS COMMU - Extensions of time may be available under the provise after SIX (6) MONTHS from the mailing date of this country of the period for reply specified above is less than thire. If NO period for reply is specified above, the maximum Failure to reply within the set or extended period for Any reply received by the Office later than three mon earned patent term adjustment. See 37 CFR 1.704(b)	JNICATION. ions of 37 CFR 1.136(a). In no e ommunication. ty (30) days, a reply within the sta statutory period will apply and eply will, by statute, cause the ap ths after the mailing date of this o	event, however, may a reply be time atutory minimum of thirty (30) days will expire SIX (6) MONTHS from application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communica O (35 U.S.C. § 133).	ition.			
Status							
1) Responsive to communication(s)	filed on						
2a) ☐ This action is FINAL .	2b)⊠ This action is	non-final.					
<i>,</i> —							
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-5</u> is/are pending in the	application						
, —	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>5</u> is/are allowed.							
6)⊠ Claim(s) <u>1,2 and 4</u> is/are rejected							
7) Claim(s) <u>3</u> is/are objected to.							
8) Claim(s) are subject to res	striction and/or election	requirement.					
Application Papers							
9)☐ The specification is objected to by	the Examiner.						
10)⊠ The drawing(s) filed on <u>14 January 2004</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.							
Applicant may not request that any o	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objecte	d to by the Examiner. N	Note the attached Office	Action or form PTO-152	i •			
Priority under 35 U.S.C. § 119			·				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). 							
* See the attached detailed Office a Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Revie 3) Information Disclosure Statement(s) (PTO-144)	w (PTO-948)	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F	(PTO-413)				
Paper No(s)/Mail Date <u>1/14/04</u> .		6)					

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2 and 4 are rejected under 35 U.S.C. 102(b) as being anticipated by Ishida et al. (U.S. Patent No. 6,201,439).

Claim 1:

Ishida et al. (best shown in Figs. 1 and 7) shows a high-frequency power amplifier (Fig. 1) comprising a multilayer substrate including a plurality of laminated layers (Fig. 7); a wiring prohibited area located on at least one of an obverse (2170; e.g. facing) and a reverse side (2210) of the multilayer substrate in which wiring is prohibited (where 2170 and 2210 are ground areas where ground areas are wiring prohibited areas); a first strip conductor (2060) located within the multilayer substrate; a second strip conductor (2070) located at a position in a lamination direction of the multilayer substrate (e.g. vertical stacked layers) different from that of the first strip conductor; a via (2130) electrically connecting the first and second strip conductors; and first (2170) and second (2210) grounding conductors disposed sequentially in the lamination direction of the multilayer substrate and sandwiching the first and second strip conductors, where at least one of the first and second ground conductors includes a first grounding conductor portion for the wiring prohibited area and a second grounding

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conductor portion for an are other than the wiring prohibited area so that the second grounding conductor is positioned in the lamination direction of the multilayer substrate different from the first grounding conductor (where 2170 and 2200 are different, thus inherently positioned differently).

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Claim 2:

A first wiring prohibited area located on the obverse side of the multilayer substrate (2170) and a second wiring prohibited area located on the reverse side of the multilayer substrate (2210), the second wiring prohibited area overlapping the first wiring prohibited area when viewed in the lamination direction of the multilayer substrate, where length of the first wiring prohibited area in the lamination direction of the multilayer substrate is different than the second wiring prohibited area (where 2170 and 2210 are different lengths from a top view, e.g. vertically stacked lamination). Claim 4:

Where one end of the first grounding conductor runs along a periphery of the via when viewed in the lamination direction (where the edges of ground 2170 run parallel to via 2130 when viewed from the top).

Allowable Subject Matter

Claim 5 is allowed.

Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

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The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hase et al. – shows a high frequency module.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dean O. Takaoka whose telephone number is (571) 272-1772. The examiner can normally be reached on 8:30a - 5:00p Mon - Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on (571) 272-1769. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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June 6, 2005